

corneal tissue, corneal prosthesis can be readily available. We will also add new projects focusing on advanced diagnostic ocular imaging techniques combined with effective telemedicine that will lessen the morbidity of traumatic ocular injuries in military operations as well as explore newer modalities to assist in the visual restoration of the injured personnel.

Requesting Member: Representative MARIO DIAZ-BALART (FL-25)

Bill Number: H.R. 3326

Account: Operating Forces 1A3A Intermediate Maintenance

Name of Requesting Entity: Florida Gulf Coast University

Address of Requesting Entity: 10501 FCGU Blvd. South, Fort Myers, FL 33965

Description of Request: I have secured \$1,500,000 for developing and testing environmentally safe decontaminating agents for bio-defense. This funding will be used for the diversification of economy through development of new technologies attracting high tech-high wage jobs and development of environmentally friendly detection and detoxification technologies. Many commonly available biocides and toxin decontamination procedures are both too toxic and too persistent for certain applications. Chlorine, for example, is a very effective agent for sterilization and toxin destruction, but it can engender serious problems arising from its persistence and reactivity. Sometimes, the intake air or water entering a sealed compartment must be completely decontaminated, but new hazards arising from the deployed decontamination treatment must be avoided, particularly when the protected space is occupied by people. Currently, decontamination procedures are problematic because harsh, persistent agents are utilized, and although harsh decontaminating agents will destroy microbes and toxins, they can also harm human health, sensitive electronic equipment, furnishings and documents. Clearly, new biocides and toxin decontamination agents are needed and we have been researching alternatives and developing new applications. Short persistence times, acute toxicity in the killing zone, (immediately followed by a cessation of toxicity) and/or the ability to switch the biocidal activity "off," are highly desirable attributes. Our proprietary photocatalytic technology (a patent has been filed) produces biocidal oxidants during UV illumination, but when the light is turned off, the biocidal oxidant activity ceases within seconds, and residual oxidants spontaneously decompose or biodegrade. Further, the photocatalytic coatings we have discovered have electrical properties with a sensor activity, making them amenable to the creation of a device which can both detect and decontaminate, (with both capabilities contained within one unit). We have also begun to develop a family of alkaline biocides, with an enhanced permeability component to increase lethality. These biocides can be switched off by dilution and neutralization. New enhancements of existing oxidant systems are also being investigated. We intend to combine our expertise in materials science, biochemistry, molecular biology, analytical chemistry, marine biology, microbiology, and engineering to develop new biocidal technologies and solve problems of disinfection and toxin destruction in the context of biomedical, environmental and bio-defense applications. The tech-

nologies described above are "multi-use" and have applications in the fields of medicine, agriculture, aquaculture, and bio-defense.

EARMARK DECLARATION

HON. LOUIE GOHMERT

OF TEXAS

IN THE HOUSE OF REPRESENTATIVES

Monday, July 27, 2009

Mr. GOHMERT. Madam Speaker, pursuant to Republican Leadership standards, the following information is submitted regarding funding received in the first district of Texas as part of H.R. 3326—Department of Defense Appropriations Act, 2010.

Regional Geospatial Service Centers. Stephen F. Austin State University, Box 6078 SFA Station, Nacogdoches, TX 75962, OM,ARNG account, \$2,156,000 for the continuation of an initiative to establish Regional Geospatial Service Centers in Nacogdoches, Texas; El Paso, Texas; and Beaumont, Texas, and to provide emergency geospatial information services. The Center provides critical geospatial information to support emergency managers, planners, resource managers, landowners, individuals and policy makers, as demonstrated through its dramatic usefulness after the Columbia Shuttle disaster. These applications are now also assisting with national needs and have extremely important national security relevance.

Organic Semiconductor Modeling and Simulation (COSMOS). The University of Texas at Tyler, 3900 University Blvd., Tyler, TX 75799, RDTE,A account, \$1,100,000 for the Organic Semiconductor Modeling and Simulation Initiative—a collaborative research and development project. The funds will provide for research to improve the ability to design and fabricate flexible electronics, leading to the production of electronic textiles with far-reaching benefits to the Department of Defense, particularly for our armed forces, with demonstrated potential to revolutionize military uniforms and equipment to levels previously only seen in super-hero comic books. Yet, the research thus far has been very promising for producing electronic threads that receive light, convert it to energy, discern the colors or shapes around it, and morph accordingly.

EARMARK DECLARATION

HON. GEOFF DAVIS

OF KENTUCKY

IN THE HOUSE OF REPRESENTATIVES

Monday, July 27, 2009

Mr. DAVIS of Kentucky. Madam Speaker, pursuant to the Republican Leadership standards on earmarks, I am submitting the following information regarding earmarks I secured as part of H.R. 3326, the Defense Appropriations Act, 2010.

Requesting Member: Congressman GEOFF DAVIS

Bill Number: H.R. 3326

Account: Research, Development, Test & Evaluation, Army

Legal Name of Requesting Entity: Ashland Inc.

Address of Requesting Entity: 50 E. River Center Blvd, Covington, KY 41012

Description of Request: Appropriate \$500,000 to continue development of advanced coolant and lubricant systems utilizing nano-particle systems to enhance the capabilities of military ground vehicles and simplify supply logistics. Military vehicles must meet arduous cooling performance requirements. An Army goal is to increase the performance and durability of engines, power trains and their component parts in support of mobility, durability, reliability and survivability as well as reduce logistics costs. This project will help the Army meet these goals. This project is a valuable use of taxpayer funds because the reduced maintenance and longer engine life in military vehicles, which it enables, has the potential to reduce maintenance costs and enhance combat readiness.

Requesting Member: Congressman GEOFF DAVIS

Bill Number: H.R. 3326

Account: Other Procurement, Army

Legal Name of Requesting Entity: DRS Sustainment Systems

Address of Requesting Entity: 7375 Industrial Road, Florence, KY 41042

Description of Request: Appropriate \$3,500,000 to procure the next generation of mobile Army refrigeration systems/the Multi-Temperature Refrigerated Container System (MTRCS). This is a valuable use of taxpayer funds because MTRCS provides the Army with more efficient space utilization and reduced transportation requirements for food and refrigerated medical products. As a result, fewer vehicles will be required to transport these items on the battlefield, reducing the number of soldiers exposed to danger from IEDs, etc.

Requesting Member: Congressman GEOFF DAVIS

Bill Number: H.R. 3326

Account: Research, Development, Test & Evaluation, Army

Legal Name of Requesting Entity: MAG Industrial Automation Systems

Address of Requesting Entity: 3940 Olympic Blvd., Erlanger, KY 41018

Description of Request: Appropriate \$2,000,000 to develop a machine to produce lighter weight parts for military vehicles. The project is a valuable use of taxpayer funds because it supports development of technology that delivers light weight materials to produce lighter parts that reduce the weight of military vehicles. The results will be improved fuel efficiency, cost savings and enhanced combat readiness.

EARMARK DECLARATION

HON. CHRISTOPHER H. SMITH

OF NEW JERSEY

IN THE HOUSE OF REPRESENTATIVES

Monday, July 27, 2009

Mr. SMITH of New Jersey. Madam Speaker, pursuant to the Republican Leadership standards on earmarks, I am submitting the following information regarding earmarks I received as part of H.R. 3293, The Departments of Labor, Health and Human Services, and Education, and Related Agencies Appropriations Bill, 2010:

Requesting Member: Rep. CHRISTOPHER H. SMITH

Bill Number: H.R. 3293